

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PPS, Submarine Sealer Cooler Coating **HMIS CODES:** H F R P
PRODUCT CODE: 308 2 4 1 G

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: ADVANCED PACKAGING & PRODUCTS COMPANY
ADDRESS: 16131 S. Maple Avenue, Gardena, California 90248 USA
EMERGENCY PHONE: 1-800-424-9300
DATE REVISED: 08/15/94 **INFORMATION PHONE:** 1-310-323-6165
REASON REVISED: Updated Data/Warnings **NAME OF PREPARER:** ADVANCED PACKAGING

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mmHg @ 70°F (NTEL) (ppm)	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER TLV (NTEL)		
*TOLUENE / AROMATIC / HYDROCARBON	108883	100	100	150	22 @ 68°F	11.5%
* METHYLENE CHLORIDE / HYDROCARBON	75082	500	50	200	217 @ 100°F	10.0%
PROPELLANT: ISOBUTANE & PROPANE	68476837	800	800	NE	70 psig @ 70°F	

* - SARA Title III (See Below)

AEROSOL - CONTENTS UNDER PRESSURE 52+45 psig

OSHA PEL = Permissible Exposure Limit; TLV = Threshold Limit Value; NTEL = Not Determined

* Includes (with chemical) subject to the reporting requirements of Section 313 of Title III & 40 CFR 372.

* Complies with the OSHA Hazard Communication Standard

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: -13.5 to 232°F **SPECIFIC GRAVITY:** N/A
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** FASTER THAN ETHER
SOLUBILITY IN WATER: N/A
APPEARANCE AND ODOR: AEROSOL PAINT

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: PROPELLANT 0.0°F **METHOD USED:** T.O.C.
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.0% **UPPER:** 9.5%
EXTINGUISHING MEDIA: CO₂, DRY CHEMICAL, FOAM

SPECIAL FIREFIGHTING PROCEDURES:

AVOID CONFINED SPACES. FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE EQUIPMENT INCLUDING A POSITIVE PRESSURE HOIST-APPROVED SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE UNUSABLE AS AN EXTINGUISHING MEDIUM.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS OF POOR VENTILATION OR TRAVEL ALONG THE GROUND TO REMOTE IGNITION SITES. CONTENTS ARE UNDER PRESSURE. KEEP COOL. EXPOSURE TO HEAT OR FLAME MAY CAUSE CAN TO BURST AND PROPEL CONTENTS. WATER FROM FOG NOZZLES MAY BE USEFUL IN COOLING UNDAUNTED CONTAINERS TO PREVENT PRESSURE BUILD-UP.

SARA: These ingredients are subject to SARA Title Section 313 reporting for Superfund Amendments & Reauthorization Act of 1986 and CFR 40 Part 372.

SARA: Aerosol products are subject to SARA Title III Section 312 reporting for Superfund Amendments & Reauthorization Act of 1986 and CFR 40 Part 372.

Pursuant to Prop. 65: Certain raw materials used in making this product are regulated by Prop. 65 (See Section VI).

MATERIAL SAFETY DATA SHEET**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

VENTILATE AREA. REMOVE SOURCES OF IGNITION, INCLUDING HOT METAL SURFACES. WEAR APPROPRIATE CLOTHING AND GEAR. PREVENT SKIN CONTACT AND AVOID BREATHING OF VAPOR. CONFINE IMMEDIATELY AND REMOVE WITH INERT ABSORBENT SUCH AS CLAY OR SAND.

WASTE DISPOSAL METHOD

DO NOT ALLOW MATERIAL TO CONTAMINATE GROUND WATER SYSTEM. PLACE IN NON-LEAKING CONTAINERS. DISPOSE OF ABSORBED MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS. DO NOT INCINERATE IN CLOSED CONTAINERS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OBSERVE LABEL PRECAUTIONS. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME (I.E. ALL IGNITION SOURCES). CAP CONTAINER AFTER EACH USE. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR SMOKING. DO NOT STORE ABOVE 120°F. STORE IN DRY, WELL VENTILATED PLACE. DO NOT EXPOSE TO DIRECT SUNLIGHT TO AVOID BURSTING. DO NOT SPRAY NEAR FIRE OR FLAME.

OTHER PRECAUTIONS

KEEP AWAY FROM CHILDREN.
AVOID UNNECESSARY CONTACT.
DO NOT TAKE INTERNALLY. DO NOT PUNCTURE CONTAINERS.
USE WITH ADEQUATE VENTILATION - DO NOT INHALE VAPORS.
INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND REINHALING VAPORS OF THIS PRODUCT MAY BE HARMFUL OR FATAL.
DO NOT SAND, FLAME CUT, BRAZE OR WELD DRY COATING WITHOUT A NIOSH/MSHA APPROVED RESPIRATOR OR SUFFICIENT VENTILATION.

SECTION VIII - CONTROL MEASURES**RESPIRATORY PROTECTION**

DO NOT BREATHE VAPORS OR MISTS. IF THE TLV, PEL, OR OTHER LIMITS ARE EXCEEDED, THEN WEAR A PROPERLY FITTED VAPOR AND PARTICULATE OR POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR APPROVED BY NIOSH/MSHA FOR USE WITH PAINTS DURING APPLICATION AND UNTIL ALL VAPORS AND SPRAY MISTS ARE EXHAUSTED. FOLLOW THE RESPIRATOR MANUFACTURER'S DIRECTIONS FOR PROPER USE.

VENTILATION

PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP CONTAMINANTS BELOW APPLICABLE OSHA REQUIREMENTS OR OTHER SUGGESTED EXPOSURE LIMITS. USE ONLY EXPLOSION PROOF EQUIPMENT WITH FLAMMABLE MATERIALS.

PROTECTIVE GLOVES

USE NEOPRENE GLOVES OR BETTER. PROTECTIVE CREAMS ARE NOT RECOMMENDED FOR PROTECTION BUT MAY BE USED FOR EASE OF CLEANUP.

EYE PROTECTION

GOGGLES ARE BEST TO PREVENT EYE IRRITATION. WHEN USING SAFETY GLASSES ADD SPLASH GUARD, SIDE SHIELDS, OR FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

APRON, COVERALLS, OR WORK CLOTHES. CHANGE CLOTHES AND SHOES IN CASE OF SPILL, SPLASH, OR EXCESSIVE OVER SPRAY. DO NOT REUSE CLOTHING OR SHOES WHILE SOLVENT ODOR IS RETAINED IN THEM. EYE WASHES AND SAFETY SHOWERS COULD ALSO BE PROVIDED.

WORK/HYGIENIC PRACTICES

AS WITH ALL CHEMICAL PRODUCTS, USE CARE IN HANDLING. DO NOT SMOKE OR EAT WITHOUT FIRST WASHING YOUR HANDS.

SECTION IX - DISCLAIMER**DISCLAIMER**

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